

19980507.ba v02\_n046.bam.980507

>From ???@??? Fri May 08 01:51:22 1998  
Message-Id: <199805071752.MAA27504@sco.theporch.com>  
Date: Thu, 7 May 1998 12:50:29 CDT  
Subject: BOATANCHORS digest 2046

BOATANCHORS Digest 2046

Topics covered in this issue include:

- 1) FS: Heath Apache TX-1 Manual  
by David Ragsdale <doragsda@polymail.cpunix.calpoly.edu>
- 2) SP-600 Panel Removal Procedure  
by "Richard Solomon" <w1kszt@tiac.net>
- 3) Re: Microphone for Viking Ranger  
by "Larry" <rau@wco.com>
- 4) Re: Museum Stuff for sale  
by "Joseph W. Pinner" <kc5ijd@sprintmail.com>
- 5) Rare? Trio Pre-Con Data Needed  
by "Larry" <rau@wco.com>
- 6) WTB GLOBE KING COILS  
by "Larry" <rau@wco.com>
- 7) CRT supplies...  
by "Benjamin D. Hall" <kd5byb@WT.NET>
- 8) Second Canadian question of the day.  
by jmccarty@lucent.com (John J Mccarty)
- 9) Re: BOATANCHORS digest 2045  
by Jderm740 <Jderm740@aol.com>
- 10) National NC-155  
by arc5@ix.netcom.com
- 11) Re: Z Codes  
by gwoods@albany.net (Gary Woods)
- 12) 6146A's  
by "w5sum" <w5sum@ms1.nwla.com>
- 13) Re: National NC-155  
by Al Klase <skywaves@bw.webex.net>
- 14) Re: CRT supplies...  
by "Arden Allen" <gumbear@pacbell.net>
- 15) 6JH8  
by Spencer Petri <spetri@e-tex.com>
- 16) Trio Precon is Lafayette in kimona  
by MNHopkins <MNHopkins@aol.com>
- 17) Re: WTB GLOBE KING COILS  
by Charles Ring <charlesr@infonline.net>
- 18) Radio Finders web taboo  
by "David L. Thompson" <thompson@mindspring.com>
- 19) Re: Radio Finders web taboo

by Steve Lords <sklords@sprynet.com>  
20) Re: Second Canadian question of the day.  
by Jerry Proc <jproc@idirect.com>  
21) sellist - 6 May  
by eaj <eaj@hiwaay.net>  
22) Re: SP-600 Panel Removal Procedure  
by "Arden Allen" <gumbear@pacbell.net>  
23) Re:USS "Crossroads"  
by "Robert E. King" <reking1@ix.netcom.com>  
24) Re: "Z-Codes"  
by Ray Mote <rmote@rain.org>  
25) Grounds and Capacitors  
by Galpind <Galpind@aol.com>  
26) Re: Grounds and Capacitors  
by "Arden Allen" <gumbear@pacbell.net>  
27) Re: Radio Finders web taboo  
by "David L. Thompson" <thompson@mindspring.com>  
28) FS: xtals  
by JONWEINER <JONWEINER@aol.com>  
29) FS: Heathkit DX-40  
by JONWEINER <JONWEINER@aol.com>  
30) Re: Grounds and Capacitors  
by "Jim Berry" <basalop@gte.net>  
31) OOPS! WTB fixed coils Globe King  
by "Larry" <rau@wco.com>

-----  
Date: Wed, 6 May 1998 12:50:47 -0700 (PDT)  
Message-Id: <199805061950.MAA02858@rubens.artisan.calpoly.edu>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"  
To: Old Tube Radios <boatanchors@theporch.com>  
From: David Ragsdale <doragsda@polymail.cpunix.calpoly.edu>  
Subject: FS: Heath Apache TX-1 Manual

>Selling for a friend, Heathkit Apache Transmitter, model TX-1 original  
manual. Very good condition, has two words written on the cover (small) and  
name on first page, otherwise unmarked. Includes several large foldouts  
with schematics and assembly pictures, some notes on schematics.

>

>Asking \$25.00 shipped in U.S. Please email.

>

>73

>Dave Ragsdale

>KF6BOM

>doragsda@polymail.calpoly.edu

>

-----  
Message-Id: <199805062138.RAA04846@mail-out-3.tiac.net>  
From: "Richard Solomon" <w1ksz@tiac.net>  
To: Old Tube Radios <boatanchors@theporch.com>  
Subject: SP-600 Panel Removal Procedure  
Date: Wed, 6 May 1998 17:36:17 -0400  
MIME-Version: 1.0  
Content-Type: text/plain; charset=ISO-8859-1  
Content-Transfer-Encoding: 7bit

I bought the Ham-Band Bandsread dial, (nice job), and now want to install it. To do this, I need to drop the front panel. Short of removing everything from the panel, is there an easier procedure ? I know I need to remove all the knobs that go to shafts, but should I also remove the pots and switches, or is there enough slack leave them on ? If I need to remove nearly everything, I might as well re-finish the panel. Any leads as to who re-paints and re-letters panels ? This is one great receiver and it's a keeper (unless I find something better !!).

73, Dick, W1KSZ

-----  
Message-Id: <199805062151.0AA26029@shell.wco.com>  
From: "Larry" <rau@wco.com>  
To: Old Tube Radios <boatanchors@theporch.com>  
Cc: "boatanchors" <boatanchors@theporch.com>  
Subject: Re: Microphone for Viking Ranger  
Date: Wed, 6 May 1998 14:45:11 -0700  
MIME-Version: 1.0  
Content-Type: text/plain; charset=ISO-8859-1  
Content-Transfer-Encoding: 7bit

any Hi-Z ( high impedance ) mike will work fine... most am guys like the sound of the Astatic D-104 crystal element mic.

W6WUH

-----  
Message-Id: <199805062224.PAA00159@mailgate22.a001.sprintmail.com>  
Subject: Re: Museum Stuff for sale  
Date: Wed, 6 May 1998 17:32:30 -0000  
From: "Joseph W. Pinner" <kc5ijd@sprintmail.com>  
To: Old Tube Radios <boatanchors@theporch.com>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="US-ASCII"

Folks - I made a serious error in the Museum post which Glen did not catch either.

The Museum is not closing - BUT rather moving to much smaller quarters.

This is necessitating the sale of a good portion of Glen's Commo Gear.

Sorry for this error.

73

Joseph W Pinner

Lafayette, LA

KC5IJD

E-Mail: kc5ijd@sprintmail.com <== NOTE NEW ADDRESS

-----  
Message-Id: <199805062246.PAA18272@shell.wco.com>

From: "Larry" <rau@wco.com>

To: Old Tube Radios <boatanchors@theporch.com>

Subject: Rare? Trio Pre-Con Data Needed

Date: Wed, 6 May 1998 15:40:33 -0700

MIME-Version: 1.0

Content-Type: text/plain; charset=ISO-8859-1

Content-Transfer-Encoding: 7bit

A friend has a weird Japanese Trio BA..the TRIO PRE-CON

this thing is a converter.. 10 and 15 meters down to 80 I think.. and also acts as a pre amp on 20...apparently.

He has the thing.. but needs a schematic and any other docs available.. copies are fine.

Yes... it does have the Trio label on the front panel.. not Lafayette or anything else one might expect.

It is about 6 inches high and about 9 or 10 inches wide...7 and 9 pin miniature type tubes...built in ac supply.

Any help will be greatly appreciated.

OK to contact me.

W6WUH

rau@wco.com

73 and thanks.

-----  
Message-Id: <199805062301.QAA24723@shell.wco.com>  
From: "Larry" <rau@wco.com>  
To: Old Tube Radios <boatanchors@theporch.com>  
Subject: WTB GLOBE KING COILS  
Date: Wed, 6 May 1998 15:55:51 -0700  
MIME-Version: 1.0  
Content-Type: text/plain; charset=ISO-8859-1  
Content-Transfer-Encoding: 7bit

Walt KB6BKN needs a set of plug-in coils for the Globe King 500 (no suffix).

What have you got ?

These must have been standard coils.. anybody know what type for sure ??

Please Contact :

Walt KB6BKN

kb6bkn@juno.com

-----  
Message-Id: <3.0.32.19980506183613.007f2cc0@mail.wt.net>  
Date: Wed, 06 May 1998 18:38:01 -0500  
To: Old Tube Radios <boatanchors@theporch.com>  
From: "Benjamin D. Hall" <kd5byb@WT.NET>  
Subject: CRT supplies...  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"

Greetings everyone... Beleive it or not, thanks to list member Doug Ripka, I located the \*exact\* transformer I needed to complete my somewhat homebrew power supply for my Panoramic SA-8b Panadapter. I say "somewhat homebrew" as the gentleman who gave me the panadapter gave me a choke and a transformer that he thinks were part of the power supply that went with the unit. The voltages and ratings are very close - 3 amps on the 5 volt winding rather than 2 amp (great! allows me to use a 5U4 rather than a 5Y3 where I'd exceed plate voltage published in my GE tube book), and 360 volts center-tapped rather than 375 volts center-tapped. That is fine - my line voltage is a little high anyways.

But - I'm a bit boggled at how to filter the high voltage supply for the CRT. The Panoramic manual shows the 1200 volt winding feeding into a 0.5 uF cap tied positive earth, thru a 24k resistor to another 0.5 uF cap tied

positive earth, and two 10 meg resistors tied in series across the terminals of the last cap. I haven't had any luck finding 0.5 uF caps with a 2000 volt plus rating - Fair Radio has some 0.1's, but I'd need ten of them total. Surplus Sales of Nebraska wants a bazillion bucks for a pair of them. So, what I was thinking was as follows:

For the first cap: Put five 3.3 uF, 450 VDC caps in series, each with an 8.2 Meg resistor across the terminals. A total of 0.66 uF, at 5\*450 VDC = 2250 VDC. 3.3 uF's, even the low ESR types are like \$0.30 each.

For the second cap: Put five 10 uF, 450 VDC caps in series, each with an 8.2 Meg resistor across the terminals. Since this is a cap input supply, I decided that the first cap wasn't the place to tack on any extra capacitance, but the second cap is fair game. Yielding 2 uF total.

Five 8.2 meg resistors in series in parallel with another five 8.2 meg resistors in series yields about 20 megs - the value of the original bleeders.

Now, if I'm not mistaken, the resistors will balance the voltage across the caps, right, so I do get a case of the exploding cap over-voltage syndrome?

Second question - I need wire to get the -2000 VDC from the supply to the Panadaptor - any suggestions? The only place I've found sells it in 100 foot rolls for \$120 - too much wire, too high a price. Does Auto Zone still sell spark plug wire by the foot? What is that stuff rated at, anyways?

Comments anyone? I'm frightened of high voltage (or is it respect?).

Thanks and 73,

Ben

---

Benjamin D. Hall, KD5BYB, Engine and radio collector / operator.

Located in Houston, Texas, USA.

e-mail: kd5byb@WT.net, web: \*\*\*down for refurbishment\*\*\*

"An ye harm none, do what ye will."

-----  
From: jmccarty@lucent.com (John J Mccarty)  
Date: Wed, 6 May 1998 19:08:53 -0500  
Message-Id: <199805070008.TAA06580@nwsdpa.ih.lucent.com>  
To: Old Tube Radios <boatanchors@theporch.com>  
Subject: Second Canadian question of the day.  
Content-Type: text

Hi all;

Does anyone know the freq range and type  
of crystals that go into the Canadian CRT1/CPRC-26 walkie-talkies?

tnx + 73

John N9HRT  
jmccarty@lucent.com

-----  
From: Jderm740 <Jderm740@aol.com>  
Message-ID: <340722ef.3550fe1e@aol.com>  
Date: Wed, 6 May 1998 20:19:41 EDT  
To: Old Tube Radios <boatanchors@theporch.com>  
Mime-Version: 1.0  
Subject: Re: BOATANCHORS digest 2045  
Content-type: text/plain; charset=US-ASCII  
Content-transfer-encoding: 7bit

Okay I give up.  
How come I got a copy of the Old Testament. It might just as well have been I  
couldn't read it any more than I can read Ancient Hebrew.  
As a matter of fact I can't read modern Hebrew either.  
Anybody else get 237800 bytes of gobbledegook?

Jack

-----  
From: arc5@ix.netcom.com  
Date: Wed, 6 May 1998 19:49:57 -0500 (CDT)  
To: Old Tube Radios <boatanchors@theporch.com>  
Message-Id: <1998561949946334@>  
Subject: National NC-155  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii

Just got a beautiful National NC-155 receiver.  
Does anyone know any history on this rig?  
Year of production, etc?  
Thanks,  
73 DE Dave Stinson AB5S  
arc5@ix.netcom.com

-----  
From: gwoods@albany.net (Gary Woods)

To: Old Tube Radios <boatanchors@theporch.com>  
Subject: Re: Z Codes  
Date: Thu, 07 May 1998 00:58:51 GMT  
Message-ID: <35520553.98309654@mail.albany.net>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

On Wed, 06 May 1998 08:27:15 -0500, you wrote:

>Dick Dillman wrote:

>>

>> At 08:23 AM 5/5/98 -0700, Roderick M. Fitz-Randolph wrote:

>>

>> >Bobbi, when I was handling CW traffic from Ascension Island as AFE83 back  
>> >up to Patrick AFB (AFE70) and was also bringing the old obsolete DC-4s  
>> >over from Recife, Brazil back in 1956-57, we used to use Z-codes. I've  
>> >got a few good stories to tell about the use of the one that stands for,  
>> >"Place a competent operator on the circuit". If my ancient memory cells  
>> >work anymore, I recall it was ZBJ.... not sure tho.

>

The pub is ACP-131A..... got one somewhere around here.

The one reference was a "Q" signal: QLF- try sending with your \_left\_  
foot.

My favorite:

ZBM2 Place a competent operator on the circuit.

followed by:

ZLD2 I am unable to transmit pictures.

I once had a base op send me (an aircraft radioman in a galaxy far  
away) QRQ30, because he "knew" an ARC-38 (AKA 618T, I think) couldn't  
key above 20 WPM. He didn't know that:

A.) the radioman in question had hand-selected some relay modules for  
speed.

B.) the radioman in question had a home-brew electronic keyer with  
Vibro-Keyer attached that could indeed do 30!

We now return you to your scheduled BA topic.

--

Gary Woods O- K2AHC Public key at [www.albany.net/~gwoods](http://www.albany.net/~gwoods), or get 0x1D64A93D via  
keyserver

[gwoods@albany.net](mailto:gwoods@albany.net) [gwoods@wrrgb.com](mailto:gwoods@wrrgb.com)

fingerprint = E2 6F 50 93 7B C7 F3 CA 1F 8B 3C C0 B0 28 68 0B



-----  
Message-Id: <199805070117.UAA06467@ms1.nwla.com>  
From: "w5sum" <w5sum@ms1.nwla.com>  
To: Old Tube Radios <boatanchors@theporch.com>  
Date: Wed, 6 May 1998 20:21:05 +0000  
MIME-Version: 1.0  
Content-type: text/plain; charset=US-ASCII  
Content-transfer-encoding: 7BIT  
Subject: 6146A's  
CC: baswaplist@foothill.net, boatanchors@qth.net

howdy y'all

I owe a pair of 6146A's to a list member. I can't seem to find any right now. All anyone has are "B" or "W" models. I have to have the "A"'s as that is what he specified. Anyone know of a supplier that has the A's in stock? I've called all the usuals

Ronnie  
W5SUM - Ronnie Hull  
PO Box 8941  
Shreveport, La 71148

-----  
Message-ID: <35511282.347CE24C@bw.webex.net>  
Date: Wed, 06 May 1998 21:46:43 -0400  
From: Al Klase <skywaves@bw.webex.net>  
MIME-Version: 1.0  
To: Old Tube Radios <boatanchors@theporch.com>  
CC: Old Tube Radios <boatanchors@theporch.com>  
Subject: Re: National NC-155  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Per Moore:

Produced: 1961-1963

Price: \$199.95

80-6 Meters, Ham-bands only, Double conversion, 2215 and 230KC IF's

Ham band version of NC-190

arc5@ix.netcom.com wrote:

>

> Just got a beautiful National NC-155 receiver.  
> Does anyone know any history on this rig?  
> Year of production, etc?  
> Thanks,  
> 73 DE Dave Stinson AB5S  
> arc5@ix.netcom.com

--

Al Klase - N3FRQ  
skywaves@bw.webex.net  
Flemington, NJ 08822  
Web Page: <http://www.webex.net/~skywaves/home.htm>

-----  
Message-Id: <199805070218.TAA17688@mail-gw3.pacbell.net>  
From: "Arden Allen" <gumbear@pacbell.net>  
To: Old Tube Radios <boatanchors@theporch.com>  
Subject: Re: CRT supplies...  
Date: Wed, 6 May 1998 19:19:56 -0700  
MIME-Version: 1.0  
Content-Type: text/plain; charset=ISO-8859-1  
Content-Transfer-Encoding: 7bit

Hi Volters;

Sometimes things just don't seem to be as they are. There is a simple remedy to the paucity of capacitors for 1200V CRT power supplies. Use 250 VAC LINE BYPASS capacitors, the super-duper safety types. They will handle 1200 VDC NO PROBLEM cuz they are designed to take a 2500 VAC (3535 volts PEAK) hi-pot test. Amazing what the safety folks have done for vintage radio. I used a couple of Sprague .1uF ceramics and a Panasonic .47uF plastic film, both with all those little safety agency logos, in my Heath SB 610 and SB 620 CRT supplies and they work FB. Take a look in Newark, Digi-Key or a junked computer power supply. Cheers!

Arden Allen KB6NAX Vallejo, CA gumbear@pacbell.net

-----  
Date: Wed, 6 May 1998 21:35:59 -0500 (CDT)  
Message-Id: <199805070235.VAA01719@sco.theporch.com>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"  
To: Old Tube Radios <boatanchors@theporch.com>  
From: Spencer Petri <spetri@e-tex.com>  
Subject: 6JH8

Several Swan radios used these tubes. Check a 250C schematic. Others also but I don't remember which specific radio.

GL,

73 de Pete WA5JCI EM21 "the future will be better tomorrow"

.....  
6 Mtr -- WAS #490, WAC CW, DXCC/91 Countries, VUCC #361

.....  
2 Mtr -- 36 States -- VUCC #346

-----  
From: MNHopkins <MNHopkins@aol.com>  
Message-ID: <bd3d7439.35512197@aol.com>  
Date: Wed, 6 May 1998 22:51:02 EDT  
To: Old Tube Radios <boatanchors@theporch.com>  
Cc: boatanchors@theporch.com  
Mime-Version: 1.0  
Subject: Trio Precon is Lafayette in kimona  
Content-type: text/plain; charset=US-ASCII  
Content-transfer-encoding: 7bit

The Trio Precon is a hambands converter made in Japan for Lafayette but also marketed for Tio Kenwood under their name.

It converts old ham bands, 10, 20, 40 to 80 and also operates as a preselector for all four bands. It is of late offshore v. tube manufacturer.

I have the Trio model but the Lafayette book which is, if memory serves, 8 pages so one could send me \$1 and an SASE to get a copy.

73 de ab5L, michael in dallas, student of Tecraft and International (ICM) ham products and mementoes of Six Meters' Golden Age: 1957-58  
Michael Hopkins  
Box 226841  
Dallas, TX 75222 MNHopkins@AOL.com

-----  
Message-ID: <35512307.6CF2@infonline.net>  
Date: Wed, 06 May 1998 22:57:11 -0400  
From: Charles Ring <charlesr@infonline.net>  
MIME-Version: 1.0  
To: Old Tube Radios <boatanchors@theporch.com>  
Subject: Re: WTB GLOBE KING COILS  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Larry wrote:

>

> Walt KB6BKN needs a set of plug-in coils for the Globe King 500 (no  
> suffix).  
>  
> What have you got ?  
>  
> These must have been standard coils.. anybody know what type for sure ??

Does the 500 use plug in coils? I know earlier Globe Kings do, and my  
500A does not.

73 de W3NU

-----  
Date: Wed, 6 May 1998 23:44:49 -0400 (EDT)  
Message-Id: <1.5.4.16.19980506104722.0a473366@pop.mindspring.com>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"  
To: Old Tube Radios <boatanchors@theporch.com>  
From: "David L. Thompson" <thompson@mindspring.com>  
Subject: Radio Finders web taboo

I look through several web pages at BA gear from time to time and the Radio  
Finder is on my schedule about once a month. Well this evening I get the  
message "Prohibited" I am prohibited from getting onto this web page.

I also tried my MSN web and got the same thing.

Prohibited doesn't get very far in making sales.

Taboo says you!

Dave K4JRB

-----  
Message-ID: <35513111.32DEB587@sprynet.com>  
Date: Wed, 06 May 1998 21:57:05 -0600  
From: Steve Lords <sklords@sprynet.com>  
MIME-Version: 1.0  
To: Old Tube Radios <boatanchors@theporch.com>  
CC: Old Tube Radios <boatanchors@theporch.com>  
Subject: Re: Radio Finders web taboo  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

i just tried the Radio Finder web site and it showed up fine  
thanks  
steve  
wa7isl :)

> Radio Finder is on my schedule about once a month. Well this evening I get  
> the  
> message "Prohibited" I am prohibited from getting onto this web page.  
>  
> I also tried my MSN web and got the same thing.  
>  
> Prohibited doesn't get very far in making sales.  
>  
>

-----  
Message-ID: <355135BF.3BD03DC1@idirect.com>  
Date: Thu, 07 May 1998 00:17:03 -0400  
From: Jerry Proc <jproc@idirect.com>  
MIME-Version: 1.0  
To: Old Tube Radios <boatanchors@theporch.com>  
CC: Old Tube Radios <boatanchors@theporch.com>  
Subject: Re: Second Canadian question of the day.  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

John J Mccarty wrote:

> Hi all;  
>  
> Does anyone know the freq range and type  
> of crystals that go into the Canadian CRT1/CPRC-26 walkie-talkies?

Hi John,

The frequency range is 47.0 to 55.4 Mhz. The set uses CR23/U crystals.

--

Regards,  
Jerry Proc VE3FAB jproc@idirect.com  
Web: www3.sympatico.ca/hrc/haida  
HMCS HAIDA Naval Museum, Toronto Ontario

-----  
Message-ID: <35514C2F.2698@hiwaay.net>  
Date: Wed, 06 May 1998 22:52:47 -0700  
From: eaj <eaj@hiwaay.net>  
MIME-Version: 1.0

To: Old Tube Radios <boatanchors@theporch.com>

Subject: sellist - 6 May

Content-Type: text/plain; charset=us-ascii

Content-Transfer-Encoding: 7bit

from eaj@hiwaay.net

Bought a pile of stuff I didn't really want, to keep my contacts alive  
- e-mail direct for more detailed info.

1. three slightly moldy mil-manuals - staples very rusty; falling apart, but complete and usable - \$FUS (free - U-ship): I-177, BC-1335, PE-108 A-E
2. 11-pin plug-on, 6" sq. s-s power module: Acoplan 15D70U - values not labeled (am scrapping for parts if no knowledgeable buyer) - offer
3. pictorial and schematic sheets for 6AU6/0A2 VFO whatzit - free
4. SEVEN 2x5x9.5 al. chassis with asst. home-brew circuits - dirty but many salvagable parts - meters, converters, God-only-knows - \$1 each
5. 4x4x2 h.b. 2-Q multivib? al. chassis \$1
6. used, stripped 3x8x12 al. chassis \$1
7. transformers: asst. power, mod., output, etc. #'s such as A-3131, P-8169, P-5014, P-6464, A-2922, and twice that many with useful info on them but no catalog numbers
8. two NOS Johnson 4-pin ceramic bayonet-shell sockets - fits 805, etc. - offers
9. 8x8x17 black wrinkle light-duty sheet metal box, missing cover - has pins that resemble ARC-5 retainers to hold top on - free with other order (FW00); offers?
10. Motorola remote-control receiver (looks vaguely like aftermarket car radio, 50's style - no control head included) - heavy greenish box #451 w/ 6 octals and a vib.
11. Heath XC-2 2-meter converter. Has top shell but not bottom plate.
12. Heath QF-1 Q-mult. dirty, has orig. knobs
13. B7 cockpit lamp. moldy inside, cord reel spring stuck or broken, bulb gone - otherwise good
14. 2"dia x5"lng ceramic coil form, stripped \$1 or FW00
15. two medium-small black wrinkle, photo-receptor boxes - similar but not identical - \$1 each or FW00
16. two hanks fabric-covered rubber hook-up wire - red/blk; and beige colored - FW00
17. 3520 kc FT-171-B xtal for BC-610 - \$2 or FW00
18. 14162.1 kc Bliley AX2 xtal - \$2 or FW00
19. 4ufd 2kv rectangular oil cap \$2 or FW00
20. M-34/AIC pilot's microphone - rubber mouth hood badly deteriorated; mike seems ok
21. top shell ONLY: black ARC-5 CCT-52208 3-4Mc ATA Tx, Stromberg-Carlson mfg. \$1
22. two CZU 23446 modules: Concord Radio "CFI" oscillator units that

plug into something? uses 3 octals; 200kc xtal(gone); i.f.-looking cans marked 50kc, 150kc, 200kc - with schematic \$5 each

23. ABA-1 dynamotor/keyer CWD-21AAX \$25 e-mail for spex

24. two DY-2A/ARR-2 dynos for ARC-5 Rx's; also DM-32A ditto. all use 28v 1.1a in for 250v 60 ma out \$15 each

25. two R-23 "Q-5er's" - one NOS, the other dirty. both un-boogered.

26. three 6-9.1 Mc ARC-5 Rx's - one R-27 & two BC-455B's. dirty, missing minor parts, but relatively un-modified

27. BC-459A 7-9.1 Mc ARC-5 Tx - power conn. swapped, dirty, but seems ok otherwise

28. two-transmitter rack MT-71 paint bad, back conn. plates gone, some minor corrosion

29. BC-456B ARC-5 modulator - the single-tube version. Western Electric mfg.; no dyno (Fair lists them in the '97 cat.) \$35 OBO

Most of the above stuff was poorly stored in basement conditions, so it may suffer from minor corrosion/rust, esp. at the lower edges, but generally is just dirty. If it wasn't salvagable, I've already dumped it on the scrap pile.

I have little idea what some of this stuff is currently worth, as I can't keep up with the roller-coaster of prices as the fads go in and out. I'm never trying to "make a killing", I just need to get enough to keep my hobby funded. If you don't know what it's worth to you, just don't make an offer! E-mail direct for detailed info on any particular piece. If I get multiple offers, I'll let you know what you're up against. "Rules of Ware" apply.

More pieces, from my regular collection, and in much better condx:

30. BC-1306 w/manual copy. \$50

31. BC-654A w/ manual copy, dyno from PE-103; PE-104 \$185

32. F-15/U RF output (lo-pass) filter \$10

33. Audition shirt-pocket radio \$7

-----  
Message-Id: <199805070422.VAA19022@mail-gw.pacbell.net>

From: "Arden Allen" <gumbear@pacbell.net>

To: Old Tube Radios <boatanchors@theporch.com>

Subject: Re: SP-600 Panel Removal Procedure

Date: Wed, 6 May 1998 21:24:32 -0700

MIME-Version: 1.0

Content-Type: text/plain; charset=ISO-8859-1

Content-Transfer-Encoding: 7bit

Hi Dick;

> .....shafts, but should I also remove the pots and switches, or  
is.....

It's better to remove the switches and pots, there aren't that many, so you can work on the tuning mechanism unhampered. Grease up the entire tuning system while you're in there. The SP-600 is one of the smoothest tuning systems ever made when properly maintained.

Arden Allen KB6NAX Vallejo, CA gumbear@pacbell.net

-----  
Message-Id: <3.0.2.32.19980506225910.006e2224@popd.ix.netcom.com>  
Date: Wed, 06 May 1998 22:59:10 -0700  
To: Old Tube Radios <boatanchors@theporch.com>  
From: "Robert E. King" <reking1@ix.netcom.com>  
Subject: Re:USS "Crossroads"  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"

According to the book "Operation Crossroads", the command ship for this test series was USS Mount McKinley. This ship which was built during WW-2 was still in commission in 1968, according to my "Janes" of that year but I am quite sure it has been retired and/or scrapped by now.

-----  
Date: Thu, 7 May 1998 01:10:24 -0700 (PDT)  
From: Ray Mote <rmote@rain.org>  
To: Old Tube Radios <boatanchors@theporch.com>  
Subject: Re: "Z-Codes"  
Message-ID: <Pine.SUN.3.96.980507010551.17972D-100000@coyote.rain.org>  
MIME-Version: 1.0  
Content-Type: TEXT/PLAIN; charset=US-ASCII

Allied Communications Publication, ACP-130, "Communications Instructions - Operating Signals". Think it was first published during WW2, to meet the need for common operating signals between the Allies. Contains both Q and Z signals. About a good half-inch thick on the last one I used. My WW2 version is buried in an unholy pile of packed boxes for the move, so I can't verify it, but:

ZAA - You are observing improper circuit discipline

ZBM2 - Place a competent radiotelegraph operator on the net

(Strictly from memory -- my favorites in the Marine Corps. :-)  
The two were frequently used together, with malice aforethought.

73....Ray Mote, K5FKT <rmote@rain.org> Oxnard, CA

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From: Galpind <Galpind@aol.com>  
Message-ID: <527d69a7.3551a042@aol.com>  
Date: Thu, 7 May 1998 07:51:29 EDT  
To: Old Tube Radios <boatanchors@theporch.com>  
Mime-Version: 1.0  
Subject: Grounds and Capacitors  
Content-type: text/plain; charset=US-ASCII  
Content-transfer-encoding: 7bit

I have been catching up on my mail and have noticed some threads on grounding and exploding capacitors.

First the grounding. Although a mechanical engineer, I work in power generating plants. Places where 480 volts is considered "low" voltage. Everything is solidly grounded. There is a ground grid of about half inch copper cable buried in the ground, and concrete, and everything, equipment, structure, even fences, is connected. These are the safety grounds that are intended to prevent personnel from becoming part of a circuit. In addition, our control equipment, the closest thing to radios, has signal grounds, separate from the safety ground grid.

The lesson for radio and BAers. Anything you can touch, and that can see a voltage due to a component failure or mis-operation, should be grounded for safety. If not through a 3-wire cord, then with a separate ground connection. This is the safety ground. For most radio equipment, signal grounds are also needed since the impedance of the safety ground, which is sufficiently low at 60Hz, can be high at amateur operating frequencies. Thus, a well grounded ham shack should have both 3-wire grounded power distribution and a separate, more direct, signal ground for radio frequencies.

On to exploding capacitors (or would the proper BA term be condensers?) Some mechanical engineering. Plastic has a much higher coefficient of thermal expansion than metal. Thus, the temperature changes from operation of a radio, particularly one with hot vacuum filled components, will eventually break the seal between the plastic case and metal leads of a capacitor, exposing the internals to ambient air. From this standpoint, the old wax caps are probably better than plastic since the wax can flow when hot and maintain the seal. When the cap heats up in operation, the air that is trapped internally expands and some is forced out. When the equipment is shut down, and the cap cools, the air inside shrinks and draws in ambient air. If this air is humid, you get moisture inside the cap. The moisture decreases the resistance such that normal operating voltages can cause significant heating, probably enough to turn the moisture to steam and cause an explosion.

I have several radios with old plastic capacitors, an RA07, an S53A, and an SP600, and have not had any explosions. However, according to the sellers, these radios had spent most of their lives here in high and dry Colorado. For those radios that have been exposed to moisture, either through over zealous

cleaning, or living in a humid area, I would suggest drying before energizing. Baking in a warm oven for several hours should be sufficient. If the radio is too big, or the wife uncooperative, heat lamps would suffice. In the power plants, we have also had good luck with drying out electrical equipment using low voltage. I have always started up my "new" old radios on a Variac with slow voltage increases over several hours, after doing resistance checks. Perhaps, this has given the capacitors time to outgas the moisture slowly rather than explosively.

I hope that these comments are helpful and welcome any questions, comments, criticisms, or witicisims.

Dave Galpin KB0LP  
galpind@aol.com

-----  
Message-Id: <199805071411.HAA12985@mail-gw6.pacbell.net>  
From: "Arden Allen" <gumbear@pacbell.net>  
To: Old Tube Radios <boatanchors@theporch.com>  
Subject: Re: Grounds and Capacitors  
Date: Thu, 7 May 1998 07:11:35 -0700  
MIME-Version: 1.0  
Content-Type: text/plain; charset=ISO-8859-1  
Content-Transfer-Encoding: 7bit

Hi Dave and all;

> .....Baking in a warm oven for several hours should be sufficient. ....

Two things are questions in my mind: The first is, will a few hours of heat do much to dry out a nearly hermetically sealed part such as a plastic capacitor that has absorbed moisture for many years? And the second is, doesn't the presence of water in a hygroscopic (moisture absorbing) insulator (paper, etc.) eventually lead to permanent chemical changes that lower the insulation's resistance? Is there a chemist in the house who would comment on this?

One thing that is clear to me from observation, leakage current in capacitors has a positive temperature coefficient. As the radio heats up the capacitor leakage increases. Thermal runaway can occur as the capacitor heats up from the increased leakage. Old radios can run fine for some time and then the capacitors with leakage problems will eventually fail.

On the subject of explosions: Capacitors won't explode if in a circuit that cannot supply enough power to heat the capacitor quickly enough to increase internal gas pressure faster than it can leak off. Across the power line capacitors can suddenly fail with dramatic results. Resistors

can overheat quickly and have their own little explosions when a capacitor suddenly shorts . So for those who don't wear eye glasses that give protection from exploding part shrapnel I recommend wearing eye protection when peering at the bowels of a monster coming back to life.

Arden Allen KB6NAX Vallejo, CA gumbear@pacbell.net

-----  
Date: Thu, 7 May 1998 12:26:41 -0400 (EDT)  
Message-Id: <1.5.4.16.19980506232913.36a72ac8@pop.mindspring.com>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"  
To: Old Tube Radios <boatanchors@theporch.com>  
From: "David L. Thompson" <thompson@mindspring.com>  
Subject: Re: Radio Finders web taboo

Of the six replies I got 5 said they had no problem and another said his ISP said they could not connect.

Tried just before posting this message and no problem now.

Maybe he was updating or his ISP was down or full...However, I got in just could not go to his web pages.

Dave K4JRB

-----  
From: JONWEINER <JONWEINER@aol.com>  
Message-ID: <f43cf4fd.3551eb5c@aol.com>  
Date: Thu, 7 May 1998 13:11:55 EDT  
To: Old Tube Radios <boatanchors@theporch.com>  
Mime-Version: 1.0  
Subject: FS: xtals  
Content-type: text/plain; charset=US-ASCII  
Content-transfer-encoding: 7bit

I have the following 2 groups of ham band xtals in FT-243 holders for sale:

1. 3745, 7047, 7160, 7170, 7180. \$22. including postage
2. 3705, 3720, 7050, 7185. \$18. including postage.

Jon, K1VVC

-----  
From: JONWEINER <JONWEINER@aol.com>  
Message-ID: <3b06167c.3551ebd9@aol.com>

Date: Thu, 7 May 1998 13:13:59 EDT  
To: Old Tube Radios <boatanchors@theporch.com>  
Mime-Version: 1.0  
Subject: FS: Heathkit DX-40  
Content-type: text/plain; charset=US-ASCII  
Content-transfer-encoding: 7bit

For sale, Heathkit DX-40 transmitter. It is complete (except for the hatch over the xtal compartment), and in good condition. No manual. Needs to be cleaned up a bit. Meter and knobs are original and correct. Price \$60., plus postage.

Jon, K1VVC

-----  
Message-Id: <199805071720.MAA11776@smtp2.mailsvcs.net>  
From: "Jim Berry" <basalop@gte.net>  
To: Old Tube Radios <boatanchors@theporch.com>  
Subject: Re: Grounds and Capacitors  
Date: Thu, 7 May 1998 10:16:35 -0700  
MIME-Version: 1.0  
Content-Type: text/plain; charset=ISO-8859-1  
Content-Transfer-Encoding: 7bit

Hi Dave and everyone else.

Dave said:

> our control equipment, the closest thing to radios, has signal grounds,  
> separate from the safety ground grid.  
>

Can you tell me how you do this? I was under the assumption that all grounds had to be tied together. I will be doing practically everything you described, but will also be 4 inch wide copper strap along with this ground wire. I assume I will be taking care of the 60 Hz safety stuff and also the RF grounding. Thing is they will be all tied together.

73 Jim K7SLI

-----  
Message-Id: <199805071749.KAA01901@shell.wco.com>  
From: "Larry" <rau@wco.com>  
To: Old Tube Radios <boatanchors@theporch.com>  
Subject: OOPS! WTB fixed coils Globe King  
Date: Thu, 7 May 1998 10:43:54 -0700  
MIME-Version: 1.0

Content-Type: text/plain; charset=ISO-8859-1  
Content-Transfer-Encoding: 7bit

I goofed. The early globe King 500 is a bandswitching rig with tapped tank coils.. just like the rest.

KB6BKN needs the tank coils for his 500 ( no suffix) which should be the same as all the other 500's.

He already has the data to build them.

Anybody got an RF deck parts unit ? ?

They are not plug in units.. but rather are 4 1/2 x 2 3/8 inches and 3 x 2 3/8 inches respectively.

my mistake.

contact KB6BKN @juno.com directly please.

thanks and 73  
Larry W6WUH

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End of BOATANCHORS Digest 2046  
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